

Article

Art.-No. Cutt-Off	Article Name	Width [mm]	Color Transport Side
0.0.706.10	Flat Conveyor Belt PVC, non-accumulating - 40	40	petrol blue
0.0.706.12	Flat Conveyor Belt PVC, non-accumulating - 80	80	petrol blue
0.0.706.14	Flat Conveyor Belt PVC, non-accumulating - 120	120	petrol blue
0.0.706.16	Flat Conveyor Belt PVC, non-accumulating - 160	160	petrol blue
0.0.706.18	Flat Conveyor Belt PVC, non-accumulating - 200	200	petrol blue
0.0.706.20	Flat Conveyor Belt PVC, non-accumulating - 240	240	petrol blue
0.0.706.22	Flat Conveyor Belt PVC, non-accumulating - 320	320	petrol blue
0.0.706.24	Flat Conveyor Belt PVC, non-accumulating - 400	400	petrol blue
0.0.706.30	Flat Conveyor Belt PVC, accumulating - 40	40	black
0.0.706.32	Flat Conveyor Belt PVC, accumulating - 80	80	black
0.0.706.34	Flat Conveyor Belt PVC, accumulating - 120	120	black
0.0.706.36	Flat Conveyor Belt PVC, accumulating - 160	160	black
0.0.706.38	Flat Conveyor Belt PVC, accumulating - 200	200	black
0.0.706.40	Flat Conveyor Belt PVC, accumulating - 240	240	black
0.0.706.42	Flat Conveyor Belt PVC, accumulating - 320	320	black
0.0.706.44	Flat Conveyor Belt PVC, accumulating - 400	400	black
0.0.718.04	Flat Conveyor Belt PUR ESD, accumulating - 40	40	black
0.0.718.05	Flat Conveyor Belt PUR ESD, accumulating - 80	80	black
0.0.718.06	Flat Conveyor Belt PUR ESD, accumulating - 120	120	black
0.0.718.07	Flat Conveyor Belt PUR ESD, accumulating - 160	160	black
0.0.718.08	Flat Conveyor Belt PUR ESD, accumulating - 200	200	black
0.0.718.09	Flat Conveyor Belt PUR ESD, accumulating - 240	240	black
0.0.718.10	Flat Conveyor Belt PUR ESD, accumulating - 320	320	black
0.0.718.11	Flat Conveyor Belt PUR ESD, accumulating - 400	400	black

General Properties

Properties	Unit	Flat Conveyor Belt PVC, non-accumulating	Flat Conveyor Belt PVC, accumulating	Flat Conveyor Belt PUR ESD, accumulating
Material	-	PVC	PVC	PUR
Accumulating or Non-Adhesive	-	no	yes	yes
Cut Resistant / Abrasion Resistant	-	no	no	no
Flat Conveyor Belt Thickness	mm	2	1,8	1,2
Flat Conveyor Belt Weight per Area	kg/m ²	2,2	2,4	1,2
Roller Diameter at Bending (min.)	mm	25	30	20
Roller Diameter for Counterbending (min.)	mm	50	50	20

Mechanical Properties

Properties	Unit	Width [mm]	Flat Conveyor Belt PVC, non-accumulating	Flat Conveyor Belt PVC, accumulating	Flat Conveyor Belt PUR ESD, accumulating	Standard
Tensile Force at 1% Elongation (k1% static)	N/mm	-	8	6	6	ISO 2118
Recommended Elongation at fitting / Pretension	%	40	0,5	0,5	0,5	-
		80	0,5	0,5	0,5	-
		120	0,5	0,5	0,5	-
		160	0,5	0,5	0,5	-
		200	0,5	0,5	0,5	-
		240	0,5	0,5	0,5	-
		320	0,4	0,5	0,5	-
		400	0,3	0,4	0,4	-

Thermal Properties

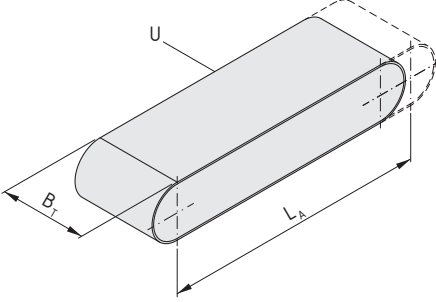
Properties	Unit	Flat Conveyor Belt PVC, non-accumulating	Flat Conveyor Belt PVC, accumulating	Flat Conveyor Belt PUR ESD, accumulating
Temperature min.	°C	-15	-15	-20
Temperature max.	°C	70	70	70

Electrical Properties

Properties	Unit	Flat Conveyor Belt PVC, non-accumulating	Flat Conveyor Belt PVC, accumulating	Flat Conveyor Belt PUR ESD, accumulating	Standard
Surface Resistance*	Ω	-	-	< 10 ⁹ (ESD)	IEC 61340-5-1
Volume Resistance*	Ω	-	-	< 10 ⁹ (ESD)	IEC 61340-5-1

*Ambient temperature 23°C ±2°C
Humidity during testing ranged from 10-65% due to local conditions.

Dimensioning of the Flat Conveyor Belt in consideration of the pretensioning

	Width B_T [mm]	Length U [mm] Flat Conveyor Belt PVC, non-accumulating *	Length U [mm] Flat Conveyor Belt PVC, accumulating *	Length U [mm] Flat Conveyor Belt PUR ESD, accumulating *
 <p>L_A: Distance of the axes of the pulleys after pretensioning</p>	40	$U = (2 \times L_A + 138,23) \times 0,995$	$U = (2 \times L_A + 138,23) \times 0,995$	$U = (2 \times L_A + 138,23) \times 0,995$
	80			
	120			
	160			
	200			
	240			
	230	$U = (2 \times L_A + 138,23) \times 0,996$		
400	$U = (2 \times L_A + 138,23) \times 0,997$	$U = (2 \times L_A + 138,23) \times 0,996$	$U = (2 \times L_A + 138,23) \times 0,996$	

* The calculation is based on the diameter of the item-Pulleys and the result is the Flat Conveyor Belt length in the untensioned state.

Handling and Storage

Properties	
Handling	The product can be machined with standard machines and tools.
Storage Recommendation	Horizontal, dry, protected from the weather.

Disposal

In principle, the country-specific laws and regulations concerning disposal must be observed.

Cleaning

Clean surface with warm water and soft cloth or soft sponge. For heavier soiling, additionally use a non-abrasive soap solution. Carefully test the cleaning agent on an inconspicuous area before use. Finally, rinse with clean warm water and dry with absorbent cloth.

REACH, RoHS

Properties	
Compliance with the Regulation (EC) No. 1907/2006 (REACH)	conform
Compliance with the Regulation 2011/65/EU (RoHS) inkl. EU 2015/863	conform
Silicone	Silicone is not relevant for manufacturing, but minimal contact with lubricants or cleaning agents containing silicone cannot be completely ruled out during the handling and production of our products.

The time (exposure time) and the concentration are essential factors for the aggressiveness of even diluted agents towards surfaces. Due to the evaporation of the respective diluent, the concentration of the agents increases over time and the surfaces are attacked. Orientating tests are recommended in any case.

- No Information Possible
- 0 No Resistance
- 1 Limited Resistance
- 2 Resistant

Resistance

Substance	Flat Conveyor Belt PVC, non-accumulating	Flat Conveyor Belt PVC, accumulating	Flat Conveyor Belt PUR ESD, accumulating
A			
Alcohol	0	0	0
Ammonia, gas and aqueous	2	2	2
Amylacetate	-	-	0
Aniline	-	-	0
B			
Benzene	0	0	0
Benzene	1	1	2
Benzoic acid	2	2	0
Bitumen	-	-	2
Bleach, lye	-	-	0
Borsäure	2	2	0
Bromine	-	-	0
Butanol, n-	0	0	0
Butter	1	1	2
Butanoic acid	-	-	2
C			
Castor oil	-	-	2
Caustic soda	1	1	1
Chlorine	-	-	0
Chromic acid	-	-	1
Citric acid	-	-	2
Coconut oil	0	0	2
Cottonseed oil	0	0	2
Cresol (ortho, meta, para)	-	-	0

Substance	Flat Conveyor Belt PVC, non-accumulating	Flat Conveyor Belt PVC, accumulating	Flat Conveyor Belt PUR ESD, accumulating
D			
Developer (photo)	-	-	2
Diesel oil	1	1	2
E			
Engine oil	0	0	2
Ether	-	-	2
Ethereal oils	-	-	2
F			
Fertilizer, dry	2	2	2
Formaldehyde	1	1	0
Formic acid	0	0	0
Fruit juice	2	2	2
G			
Glucose	2	2	2
Glycerine	1	1	2
Glycol	1	1	1
Grease, general	1	1	2
Gypsum (calcium sulfate)	2	2	2
H			
Heptane	-	-	2
Hexane, n-	-	-	2
Hydrocarbon acid < 20%	2	2	1
Hydrocarbon, chlorinated, general	0	0	0
Hydrogen peroxide 30%	2	2	1
Hydroquinone	-	-	2
I			
Ink, depending on proportions	0	0	2
Iodine	-	-	0
Isopropyl	-	-	0

Substance	Flat Conveyor Belt PVC, non-accumulating	Flat Conveyor Belt PVC, accumulating	Flat Conveyor Belt PUR ESD, accumulating
K			
Kerosene	0	0	2
Ketone, general	-	-	0
L			
Latex	-	-	2
Linseed oil	1	1	2
Lye, low	1	1	2
M			
Metal salt, general	2	2	2
Methanol	-	-	0
Methylene chloride	0	0	0
Mineral oil	1	1	2
O			
Oxalic acid	-	-	2
Ozone	2	2	2
P			
Paraffin oil	0	0	2
Petroleum	1	1	2
Petroleum ether	0	0	2
Phenol	1	1	0
Phthalic acid	-	-	2
Plasticiser	0	0	2
Propanol	-	-	0
R			
Resorcinol (Resorcinol)	-	-	0
S			
Salicylic acid	-	-	2
Saltpetric acid < 40	2	2	1
Salt, general	2	2	2
Seawater	2	2	2
Soap	2	2	2
Stearic acid	2	2	2
Sulphuric acid <50%	2	2	1

Substance	Flat Conveyor Belt PVC, non-accumulating	Flat Conveyor Belt PVC, accumulating	Flat Conveyor Belt PUR ESD, accumulating
T			
Tar	0	0	2
Tartaric acid	-	-	2
Transformer oil	-	-	2
Toluol	0	0	1
U			
UV light	1	1	0
V			
Vaseline	0	0	2
Vinegar	2	2	1
X			
Xylene	0	0	1

The above information is based on the current state of our knowledge and does not constitute a guarantee of properties. Existing laws and regulations must be observed by the recipient of the product at his own responsibility.

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